

HORIZONTAL-FLOW TRAP AND HOUSING ASSEMBLY WITH ODOR PREVENTING CLOSURE MECHANISM

ABSTRACT OF THE DISCLOSURE

An exit opening (78) in a cartridge (22) is alignable with an opening (48) in a housing (32) for communication to an external drain. The cartridge and the housing have positions of final secured and initial unsecured interconnections, when openings (78, 48) are respectively aligned and unaligned. A lever (52) is swivelably secured to the housing bottom wall (46), whose cap (54) can close housing exit tube (28); a projection (56) is engageable with the cartridge for effecting the closure when the housing and cartridge openings (48, 78) are not aligned. Three L-shaped keyways (60) in the housing interior mate with three keyways (82) in the cartridge, and have corrugated surfaces to provide a ratcheted secure connection between the cartridge and the housing when in the secure connection. A tool (92) is used to insert and to remove the cartridge into and from the housing.